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DECLARATION AND POWER OF ATTORNEY

COPY

We, the below named inventors, hereby declare that:

Our residences, post office addresses, and citizenships are as stated below next to our respective names.

We believe we are the original, first, and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled **PROCESS FOR PRODUCING SEMICONDUCTOR ARTICLE USING GRADED EXPITAXIAL GROWTH** described in the application filed with the United States Patent and Trademark Office on August 10, 2001 as Serial No. 09/928,126, which claims priority under 35 USC §119(e) from United States Provisional Patent Application Serial No. 60/225,666, filed August 16, 2000.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

We acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

We hereby declare that all statements are made hereby of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And we hereby appoint:

Maurice E. Gauthier	- Reg. No. 20,798
I. Stephen Samuels	- Reg. No. 20,919
Richard L. Stevens	- Reg. No. 24,445
Matthew E. Connors	- Reg. No. 33,298
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Patrick J. O'Shea	- Reg. No. 35,305
Arlene J. Powers	- Reg. No. 35,985
Richard L. Stevens, Jr.	- Reg. No. 44,357

all of the firm of Samuels, Gauthier & Stevens, our attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

We request that all correspondence be directed to:

Samuels, Gauthier & Stevens, LLP  
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PATENT  
Attorney Docket No. ASC-025

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Cheng *et al.*

SERIAL NUMBER: 09/928,126

ART UNIT: 2813

FILING DATE: August 10, 2001

EXAMINER: Not yet assigned

TITLE: Process for Producing Semiconductor Article Using Graded  
Expitaxial Growth

COPY

Commissioner for Patents  
Washington, D.C. 20231

## POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST REVOCATION OF PRIOR POWERS AND NEW POWER OF ATTORNEY

As assignee of record of the entire interest of the above-identified application, all powers of attorney previously given are hereby revoked, and the following attorneys and/or agents are hereby appointed to prosecute and transact all business in the U.S. Patent and Trademark Office connected therewith.

Michael J. Bastian	Reg. No. 47,411	John D. Lanza	Reg. No. 40,060
Steven M. Bauer	Reg. No. 31,481	Kurt W. Lockwood	Reg. No. 40,704
Mark L. Beloborodov	Reg. No. 50,773	Bradley M. Marazas	Reg. No. P-51,997
John V. Bianco	Reg. No. 36,748	Leigh J. Martinson	Reg. No. 50,749
Robert S. Blasi	Reg. No. 50,389	Thomas C. Meyers	Reg. No. 36,989
Michael H. Brodowski	Reg. No. 41,640	Joseph B. Milstein	Reg. No. 42,897
Jennifer A. Camacho	Reg. No. 43,526	Ronda P. Moore	Reg. No. 44,244
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John J. Cotter	Reg. No. 38,116	David L. Schuler	Reg. No. 51,190
Robert V. Donahoe	Reg. No. 46,667	Christopher W. Stamos	Reg. No. 35,370
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Kia L. Freeman	Reg. No. 47,577	Thomas A. Turano	Reg. No. 35,722
Christopher J. Frerking	Reg. No. 42,557	Natasha C. Us	Reg. No. 44,381
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Danielle L. Herritt	Reg. No. 43,670	Gerald E. Worth	Reg. No. 45,238
Douglas J. Kline	Reg. No. 35,574	Yin P. Zhang	Reg. No. 44,372

☐ Attached as part of this power of attorney is the authorization of the above-named attorneys/agents to accept and follow instructions from my representatives.

Assignee also hereby grants additional Powers of Attorney to the attorneys and/or agents named above to file and prosecute foreign national patent applications in any and all countries of the world, a regional patent application under the European Patent Convention and/or an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states.

All future correspondence should be sent to:

**Patent Administrator  
Testa, Hurwitz & Thibeault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110**

Please change the attorney docket number from MIT9006 to ASC-025.

The assignee of record of the entire interest of the above-identified application is

***Massachusetts Institute of Technology  
77 Massachusetts Avenue  
Cambridge, MA 02139***

☒ Recorded in PTO on December 3, 2001  
Reel No.: 012439  
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☐ Recorded herewith

Respectfully submitted,

Dated: \_\_\_\_\_

8/5/02

By: \_\_\_\_\_

*Rita M. Filipowicz*

Rita M. Filipowicz

NAME

Patent Administrator

TITLE